

DP-1001

Section 29
T 1N; R 36E

MW-1

MW-2

LAA-A
150 ac

Section 30
T 1N; R 36E
GROUND WATER

GROUND WATER

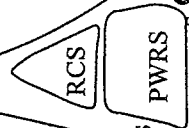
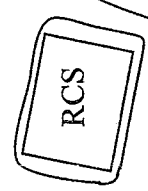
AUG 12 2009

Enviro Compliance
Services, Inc.
Office: (505) 762-9674 Fax: (505) 762-3749
Providing Management Assistance for Environmental Compliance Since 1981

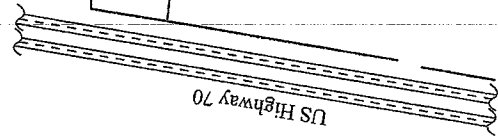
Title: James Idsinga Sr. & Son Dairy	
Overall Site Layout	DP-1001
Date: 3/31/2007	DWG/Doc Ref
Not to Scale	Sheet No 1/1

BUREAU

[Handwritten signature]



MW-3



separators are made of reinforced, poured in place concrete. The drains are closed PVC pipe. Clay material, from off-site was used in the construction and lining of the PWRS structure. Information regarding the clay and the construction of the structures has been previously submitted to NMED. Refer to Exhibit I.

6.a.ii. Facility Operating System

The dairy facility operating system is comprised of the following components: Milking Parlor, Confinement Pens, Dry Manure Storage, Runoff Control Structure (RCS), Parlor Drain Sump, Sump to Separator & PWRS transfer system, screen separator, PWRS, Land Application Transfer System, and Land Application Distribution System.

6.a.iii. Facility Operations and Maintenance

The operation and maintenance of these system components is briefly described as follows:

Milking Parlor: The milking parlor is operated on a daily basis. Lactating cows are brought to the parlor and held awaiting a turn at the milking stanchions. Parlor water that has come in contact with animal waste is discharged to the drain sump via a closed PVC drain line. Parlor water that has come in contact with milk solids or for milk room equipment C.I.P. system use is also discharged to the drain sump via a closed PVC drain line. Septage from employee restrooms is discharged to a permitted septic tank and drain field system located near the parlor. All of the associated equipment, drain lines and cleaning systems are serviced and repaired, so that proper operating conditions are continuously maintained. All waste water that is discharged to the PWRS, is to be metered with an electronic total volume meter that is installed on the parlor sump pump line.

Parlor to PWRS Transfer System: Drain sump water is transferred to the PWRS via a sump pump and buried pipeline. A PVC pipeline is used to deliver the water to the PWRS. The volume of discharge will be metered by an electronic total volume meter that is to be installed on the parlor sump pump line.

Parlor Water Retention Structure (PWRS): This structure has been previously accepted by NMED as adequate for the waste water retention operations. The structure receives water from the drain sump and holds the water until it is pumped to land application for beneficial use on farm crops. Additives such as bio-inoculates and supplemental oxygen may be introduced into the structure to enhance its operation or control odors. Water retained in the structure is pumped to a designated crop land application area when the farm practice calls for nutrient application, or when the water level needs to be lowered.

This structure is maintained by visual inspection for erosion, solids accumulation



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490

Tel: (806) 796-2805 Fax: (806) 796-2825

GROUND WATER

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.

AUG 12 2009

ATTN: CHET WYANT

564 SR 523

CLOVIS, NM 88101-1023

PHONE: (575) 762-9674

FAX: (575) 762-3749

BUREAU

Receiving Date: 07/15/09 @ 0 °C

Sampling Date: 07/14/09 @ 9:45

Reporting Date: 07/28/09

Sample Type: WELL H₂O, WASTE H₂O

Project Number: DP-1001

Sample Condition: COOL & INTACT

Project Name: IDSINGA FAMILY DAIRY

Sample Received by: MR

Project Location: PORTALES, NM

Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
Date Analysis Batch Started:		07/20/09	07/16/09	07/20/09	07/20/09
Time Analysis Batch Started:		11:00	9:45	10:30	10:30
AN14860-1	MW 1	285	10	< 0.2 *	0.68
AN14860-2	MW 2	310	10	< 0.2 *	2.1
AN14860-3	MW 3	290	10	< 0.2 *	1.7
AN14860-4	PWRS	3,470	250	430	0.07
Date Analysis Batch Finished:		07/21/09	07/16/09	07/21/09	07/20/09
Time Analysis Batch Finished:		12:30	14:00	15:10	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1000	50	5.09	1.0285
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	102	103
% Extraction Accuracy		N/A	103	90	99
Relative Percent Difference		2	0	2	4

METHODS: EPA 600/4-79-020, SM2540 C SM4500B-CI 351.4 353.3

*Less than the LOQ (Limit of Quantitation)

This report meets NELAC T104704437-08A-TX

Mario Rodriguez, Director.

07/28/09

Date



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490
Tel: (806) 796-2805 Fax : (806) 796-2825

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 02/27/09 @ 6 °C
Reporting Date: 03/26/09
Project Number: DP-1001
Project Name: IDSINGA FAMILY DAIRY
Project Location: PORTALES, NM

Sampling Date: 02/26/09 @ 10:30
Sample Type: WELL H₂O, WASTE H₂O
Sample Condition: COOL & INTACT
Sample Received by: ED
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
Date Analysis Batch Started:		03/02/09	03/12/09	03/03/09	03/06/09
Time Analysis Batch Started:		10:50	16:50	8:30	14:00
AN14289-1	MW 1	310	8	< 0.2 *	0.4
AN14289-2	MW 2	310	6	< 0.2 *	2.1
AN14289-3	MW 3	305	6	< 0.2 *	1.6
AN14289-4	PWRS	3,460	250	540	0.14 <i>highest TKN</i>
Date Analysis Batch Finished:		03/03/09	03/12/09	03/05/09	03/06/09
Time Analysis Batch Finished:		17:15	17:20	17:00	17:20
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1020	50	4.87	1.0506
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		102	100	97	105
% Extraction Accuracy		N/A	102	88	103
Relative Percent Difference		0	0	7	1

METHODS: EPA 600/4-79-020, SM2540 C SM4500B-Cl⁻ 351.4 353.3

*Less than the Minimum Detection Limit.

This report meets NELAC T104704437-08A-TX

Mario Rodriguez, Director.

03/26/09

Date

DP-1001



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490
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ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 01/16/09 @ 1 °C	Sampling Date: 01/14/09 @ 12:10
Reporting Date: 01/27/09	Sample Type: GROUNDWATER
Project Number: DP-1001	Sample Condition: COOL & INTACT
Project Name: IDSINGA FAMILY DAIRY	Sample Received by: LA
Project Location: PORTALES, NM	Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
Date Analysis Batch Started:		01/19/09	01/22/09	01/27/09	01/23/09
Time Analysis Batch Started:		10:45	10:00	9:30	10:30
AN14122-1	MW 1	315	10	< 0.2 *	0.47
AN14122-2	MW 2	315	10	0.4	1.8
AN14122-3	MW 3	310	9	0.2	1.6
Date Analysis Batch Finished:		01/20/09	01/22/09	01/27/09	01/23/09
Time Analysis Batch Finished:		10:10	17:25	17:00	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1010	50	4.67	1.0060
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		101	100	93	101
% Extraction Accuracy		N/A	100	104	102
Relative Percent Difference		0	0	1	8

METHODS: EPA 600/4-79-020, SM2540 C SM4500B-CI 351.4 353.3

*Less than the Minimum Detection Limit.
This report meets NELAC T104704437-08A-TX

Mario Rodriguez
Mario Rodriguez, Director.

01-27-09
Date



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490
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ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 08/28/08 @ 1 °C

Reporting Date: 09/22/08

Project Number: DP-1001

Project Name: JAMES IDSINGA, SR. & SON DAIRY

Project Location: PORTALES, NM

Sampling Date: 08/27/08 @ 11:20

Sample Type: WELL H₂O, WASTE H₂O

Sample Condition: COOL & INTACT

Sample Received by: MR

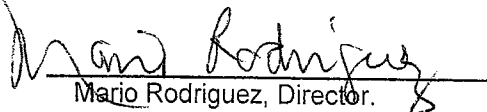
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
Date Analysis Batch Started:		09/02/08	09/05/08	09/02/08	09/09/08
Time Analysis Batch Started:		9:50	15:25	9:00	12:25
AM13528-1	MW 1	305	10	< 0.2 *	0.80
AM13528-2	MW 2	310	10	< 0.2 *	1.8
AM13528-3	MW 3	300	10	< 0.2 *	1.7
AM13528-4	PWRS	2,790	200	220	0.12
Date Analysis Batch Finished:		09/04/08	09/025/08	09/02/08	09/09/08
Time Analysis Batch Finished:		9:20	16:30	17:20	18:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		996	50	5.08	0.4996
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	102	100
% Extraction Accuracy		N/A	101	86	101
Relative Percent Difference		1	0	1	3

lowest TKN

METHODS: EPA 600/4-79-020, 160.1 SM4500B-Cf 351.4 353.3

*Less than the Minimum Detection Limit.


Mario Rodriguez, Director.

9-22-08
Date



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490
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ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 03/26/08

Reporting Date: 04/11/08

Project Number: DP-1001

Project Name: JAMES IDSINGA, SR. & SON DAIRY

Project Location: PORTALES, NM

Sampling Date: 03/25/08

Sample Type: WELL H₂O, WASTE H₂O

Sample Condition: COOL & INTACT

Sample Received By: MR

Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
Date Analysis Batch Started:		03/27/08	04/01/08	04/08/08	04/09/08
Time Analysis Batch Started:		10:00	9:30	10:00	11:30
AM12865-1	MW 1	295	10	< 0.2 *	0.50
AM12865-2	MW 2	300	10	< 0.2 *	1.1
AM12865-3	MW 3	265	10	< 0.2 *	1.3
AM12865-4	PWRS	2,360	100	360	0.12
Date Analysis Batch Finished:		03/28/08	04/01/08	04/10/08	04/09/08
Time Analysis Batch Finished:		9:40	12:50	11:00	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		984	51	4.96	0.9944
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	102	99	99
% Extraction Accuracy		N/A	98	90	97
Relative Percent Difference		1	1	3	2

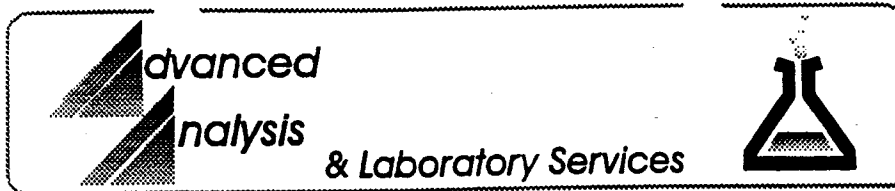
METHODS: EPA 600/4-79-020, 160.1 4500B-Cl⁻ 351.4 353.3

*Less than the Minimum Detection Limit.

Mario Rodriguez, Director.

Date

04-12-08



5601 19th Street * Lubbock, Texas 79407 * P. O. Box 16652 * Lubbock, Texas 79490
Tel: (806) 796-2805 * Fax: (806) 796-2825

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
212 TUCKER AVE. 88101-3231
CLOVIS, NM 8801
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 11/30/00
Reporting Date: 12/06/00
Project Number: DP-1001
Project Name: JAMES IDSINGA, SR. & SON DAIRY
Project Location: PORTALES, NM

Sampling Date: 11/29/00
Sample Type: WELL H₂O, WASTE H₂O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: MR, RH

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
ANALYSIS DATE:		12/04/00	12/04/00	11/30/00	11/30/00
AE3182-1	MW A-A	N/A	N/A	< 0.2 *	16.6
AE3182-2	MW A-B	435	10	N/A	N/A
AE3182-3	MW B-A	N/A	N/A	< 0.2 *	0.9
AE3182-4	MW B-B	310	10	N/A	N/A
AE3182-5	MW C-A	N/A	N/A	< 0.2 *	3.9
AE3182-6	MW C-B	300	10	N/A	N/A
AE3182-7	PWRS - A	N/A	N/A	218	0.3
AE3182-8	PWRS - B	1800	75	N/A	N/A
Quality Control		996	50	5.43	0.3218
True Value QC		1000	50	5.00	0.3000
% IA		100	100	109	107
% EA		N/A	100	102	106
Relative Percent Difference		3	0	1	3

highest NO₃-N

METHODS: EPA 600/4-79-020,	160.1	4500B	351.4	353.3
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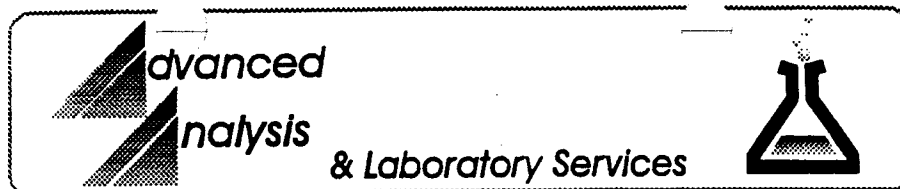
* Less than the Minimum Detection Limit.

Mario Rodriguez
Mario Rodriguez, Chemist

12/06/00
Date

PLEASE NOTE: Liability and Damages. A A's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by A A within 30 days after completion of the applicable service. In no event shall A A be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by A A, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

dy of LAA



5601 19th Street * Lubbock, Texas 79407 * P. O. Box 16652 * Lubbock, Texas 79490
Tel: (806) 796-2805 * Fax: (806) 796-2825

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
212 TUCKER AVE. 88101-3231
CLOVIS, NM 8801
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 11/30/00
Reporting Date: 12/06/00
Project Number: DP-1001
Project Name: JAMES IDSINGA, SR. & SON DAIRY
Project Location: PORTALES, NM

Sampling Date: 11/29/00
Sample Type: WELL H₂O, WASTE H₂O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: MR, RH

DP-1001

MW-B
↳ Upgradient
MW associated
with the highest
NO₃-N reported

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO ₃ -NO ₂ -N (mg/L)
ANALYSIS DATE:		12/04/00	12/04/00	11/30/00	11/30/00
AE3182-1	MW A-A	N/A	N/A	< 0.2 *	16.6
AE3182-2	MW A-B	435	10	N/A	N/A
AE3182-3	MW B-A	N/A	N/A	< 0.2 *	0.9
AE3182-4	MW B-B	310	10	N/A	N/A
AE3182-5	MW C-A	N/A	N/A	< 0.2 *	3.9
AE3182-6	MW C-B	300	10	N/A	N/A
AE3182-7	PWRS - A	N/A	N/A	218	0.3
AE3182-8	PWRS - B	1800	75	N/A	N/A
Quality Control		996	50	5.43	0.3218
True Value QC		1000	50	5.00	0.3000
% IA		100	100	109	107
% EA		N/A	100	102	106
Relative Percent Difference		3	0	1	3

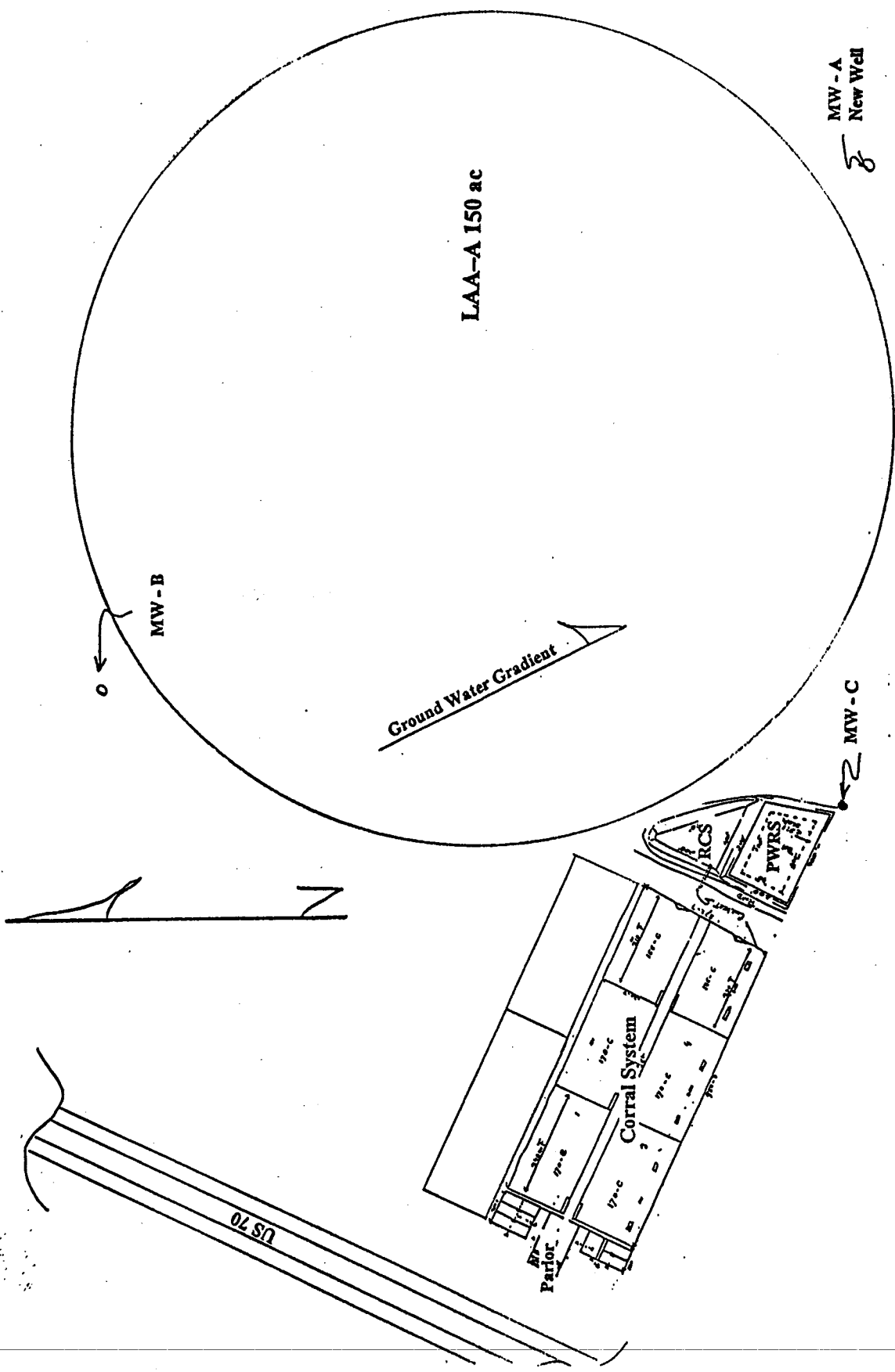
METHODS: EPA 600/4-79-020,	160.1	4500B	351.4	353.3
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* Less than the Minimum Detection Limit.

Mario Rodriguez
Mario Rodriguez, Chemist

12/06/00
Date

PLEASE NOTE: Liability and Damages. A A's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by A A within 30 days after completion of the applicable service. In no event shall A A be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by A A, regardless of whether such claim is based upon any of the above stated reasons or otherwise.



EnviroCompliance Services, Inc Providing Management Assistance for Environmental Compliance Since 1981		TITLE James Idsings, Sr. & Son Dairy Overall Site Layout		SHEET No 1/1
		DATE _____	DRAWN _____	CHECKED _____
		DWG/DOC REF Not To Scale		REV 1/1